Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/25/2017 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125029	0	1.28	124833	1.25
Blue	F	SSC	125000	124041	-1	2.96	124234	2.74
Blue	E	FITC	23795	23059	-4	2.34	1026	10.28
Blue	D	PE	29673	29329	-2	1.85	1054	9.82
Blue	B	PerCP-Cy5-5	48943	48581	-1	3.35	1396	17.20
Blue	A	PE-Cy7	44112	43614	-2	5.17	685	35.64
Red	C	APC	54273	53812	-1	2.76	3099	9.35
Red	A	APC-Cy7	54945	54444	-1	2.78	1154	11.21
Violet	B	V450	15756	15282	-4	3.74	731	9.05
Violet	A	V500	62569	61541	-2	3.48	2730	6.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19443	3.42	609	-5	N/A	N/A	Pass
Blue	F	SSC	61577	1.33	542	-4	N/A	N/A	Pass
Blue	E	FITC	114	39.20	546	-4	0.0206	164	Pass
Blue	D	PE	231	29.48	544	-2	0.1619	268	Pass
Blue	B	PerCP-Cy5-5	218	45.55	634	-5	0.0097	88	Pass
Blue	A	PE-Cy7	76	117.59	690	-9	0.0116	15	Pass
Red	C	APC	365	26.91	598	-2	0.0208	48	Pass
Red	A	APC-Cy7	128	40.43	576	-8	0.0054	1690	Pass
Violet	B	V450	88	41.74	471	-1	0.0421	1601	Pass
Violet	A	V500	198	23.75	499	0	0.0150	791	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.87	-31.42	0.86
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	18.57	13.27 - 19.91	N/A	N/A	31.55	31.95	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10304

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments